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Atty. Dkt. No. 040679-1393

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Kiyoshi AKUTAGAWA  
Title: APPARATUS AND METHOD FOR DETECTING ROAD WHITE LINE  
FOR AUTOMOTIVE VEHICLE  
Appl. No.: 09/987,258  
Filing Date: 11/14/2001  
Examiner: Unassigned  
Art Unit: 2621

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Mail Stop AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of a document known to Applicant in order to comply with Applicant's duty of disclosure pursuant to 37 CFR §1.56. A copy of each listed document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicant does not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

### **TIMING OF THE DISCLOSURE**

The listed document is being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits.

### **RELEVANCE OF EACH DOCUMENT**

In a counterpart Japanese application, a Japanese Office Action issued on October 26, 2004. According to an English translation of the Japanese Office Action obtained by Applicants' representative, the Japanese Patent Office made certain characterizations of the reference.

According to an English translation of the Japanese Office Action, document A1 does not refer to "a smear edge detecting section that detects edge positions of a smear from a region of the generated edge image, which is determined based on a previously detected position of a white line position", claimed in Claim 1 of the subject application. However, the description, "the region, which is determined based on a previously detected white line position", is not clear as to what kind of region it is. The technology of document A1 also detects "smear edge position from the edge image" and deletes it. Hence, a person skilled in the art could easily arrive at the structure that "detects smear edge position from a region of edge image, which is determined based on a previously detected position of a white line position".

As noted, the characterizations of the Japanese Patent Office noted above are based on an English translation obtained by Applicant's representative. The disclosure of these characterizations should not be construed as an admission of or agreement with the opinions expressed in the Japanese Office Action.

An English translation of the foreign-language document is not readily available. However, an English language abstract is provided herewith. Consequently, the foreign language document has been submitted in compliance with the PTO requirements and, therefore, the document should be considered by the Examiner (37 CFR §1.97, §1.98 and MPEP §609).

Applicant respectfully requests that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

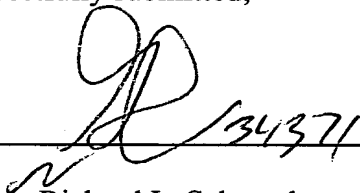
The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date November 23, 2004

FOLEY & LARDNER LLP  
Washington Harbour  
3000 K Street, N.W., Suite 500  
Washington, D.C. 20007-5143  
Telephone: (202) 672-5414  
Facsimile: (202) 672-5399

By

A handwritten signature in black ink, appearing to be 'R. Schwaab', written over a horizontal line. To the right of the signature, the number '34371' is handwritten.

Richard L. Schwaab  
Attorney for Applicant  
Registration No. 25,479

NOV 23 2004

MODIFIED PTO/SB/08 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

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Substitute for form PTO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

Date Submitted: November 23, 2004

(use as many sheets as necessary)

Sheet 1 of 1

## **Complete if Known**

Application Number	09/987,258
Filing Date	11/14/2001
First Named Inventor	Kiyoshi AKUTAGAWA
Group Art Unit	2621
Examiner Name	Unassigned
Attorney Docket Number	040679-1393

## **U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			

## **FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	A1	JP	10-141921	A	NISSAN MOTOR CO., LTD.	05-29-1998		Abst.

## **NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>

Examiner Signature

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.